

4 ~~24~~. The apparatus of Claim ~~18~~, additionally including a gas generator for producing a flow of molecules on a surface of the substrate.

5 ~~25~~. The apparatus of Claim ~~18~~, wherein said deposition chamber includes a window through which the short-wavelength photons are directed.

Cont
A2 ~~26~~. The apparatus of Claim ~~19~~, wherein said target is composed of barium metal oxide or an alkali metal. R

~~27~~. The apparatus of Claim ~~19~~, wherein said target is retained in a target holder and rotated at 1-10 rpm.

S ~~28~~. The apparatus of Claim ~~19~~, wherein said means for holding said substrate is rotated at 1 to 10 rpm and tilted at an angle of 0 to 90°.

~~29~~. The apparatus of Claim ~~19~~, wherein said laser is selected from the group consisting of NdYAG, an excimer, and wherein said short-wavelength is in the range of 200 to 550 nm.

9 ~~30~~. The apparatus of Claim ~~19~~, wherein said laser has a pulse length of 6 to 60 nanoseconds, with an energy fluence of 0.2-5 J/pulse.

Remarks

Claims 1-18 have been cancelled. New Claims 21-30 have been added.

Examination of original Claims 19 and 20 and new Claims 21-30 is requested.

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Respectfully submitted,

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